

## Abstract

A novel carbohydrate antigen,  $\beta$ 1,4-GalNAc-disialyl-Lc<sub>4</sub>, defined by monoclonal antibody RM2, is expressed in human prostate cancer, but not in benign prostate hypertrophy (BPH) or normal prostate gland. Monoclonal antibody RM2 or other antibodies with similar specificity are useful for diagnosis of prostate cancer by immunohistology of biopsy samples, specifications from a total prostatectomy, and quantitative determination of RM2 antigen in sera of patients.